

## **CLASS 109, SAFES, BANK PROTECTION, OR A RELATED DEVICE**

### **SECTION I - CLASS DEFINITION**

This is the generic class for:

#### **(A) Safes:**

All buildings and receptacles which have combined therewith (a) means in addition to their structure and/or (b) means built into their structure, for repelling or protecting their contents (including living beings) from explosion, penetration of missiles, other attacks by force or stealth (including burglary or larceny), fire, or for any other protective, or safe-guarding purpose not elsewhere provided for.

#### **(B) Bank protection devices:**

Banks, stores, or other related institutions, having means to protect or defend them and their personnel against a burglary or robbery attack.

#### **(C) Related devices:**

All devices not elsewhere classified for preventing physical objects (including living beings) from being harmed by violence of any kind, or from getting into unauthorized possession of any person.

### **SECTION II - LINES WITH OTHER CLASSES AND WITHIN THIS CLASS**

- (1) Note. The recitation of a closure fastener or lock upon a building or receptacle is not considered a protecting means within this class. Where the fastening means or lock is claimed in combination with features for this class, see the subclasses of this class (see References to Other Classes, below) subclass 59 and indented subclasses of this class. Locks, closure fasteners and their combinations with building or receptacle structures will be found in the classes in References to Other Classes, below, referencing this (1) Note.
- (2) Note. The mere recitation of a resistant wall, without going into the structure which makes the wall resistant for the purposes of this class does not constitute a safe within the meaning of this class, but will be found

in the appropriate building and receptacle classes, Particular attention is directed to subclasses for buildings including a terrane an feature. See classes in References to Other Classes, below, with reference to this (2) Note.

### **SECTION III - SUBCLASS REFERENCES TO THE CURRENT CLASS**

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 59+, for fastening means or lock claimed in combination with features for this class.

### **SECTION IV - REFERENCES TO OTHER CLASSES**

SEE OR SEARCH CLASS:

- 49, Movable or Removable Closures, for closures of the type provided for.
- 52, Static Structures (e.g., Buildings), subclass 106 for residual jail type structures and subclass 660 for fabric or lattice (e.g., grille type open-work), per se, even though defined as useful for the purposes of Class 109. See (1) Note of Lines With Other Classes, above.
- 52, Static Structures (e.g., Buildings), appropriate subclasses for miscellaneous reinforced building structures having no features other than those adding structural strength to the construction even though defined as useful for the purposes of Class 109. Particular attention is directed to subclasses 169+ for buildings including a terrane an feature. See (2) Note, Lines With Other Classes, above.
- 70, Locks, subclass 77 (See (1) Note, Lines With Other Classes, above).
- 89, Ordnance, subclasses 36.01+ for shields for ordnance and for related shielding structures.
- 105, Railway Rolling Stock, subclasses 308, 395, 435 (See (1) Note, Lines With Other Classes, above).
- 105, Railway Rolling Stock, subclass 394, for armored and protected railway rolling stock bodies.
- 114, Ships, subclass 9, for armored ships and armor therefor.
- 116, Signals and Indicators, subclass 8 (See (1) Note, Lines With Other Classes, above).
- 137, Fluid Handling, subclass 383 (See (1) Note, Lines With Other Classes, above).

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|------|---|------|--|
| 169, | Fire Extinguishers, for fire extinguishers of general application.  | 441, | Buoys, Rafts, and Aquatic Devices, subclass 32 for buoyant safes, including those adapted to float in case of shipwreck. |
| 174, | Electricity: Conductors and Insulators, subclass 2, for lightning protection of buildings, persons or any other object.   | 454, | Ventilation, appropriate subclasses, particularly subclasses 237+ and 254 for ventilated building structures.            |
| 187, | Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle, subclasses 331 and 335 for means for locking a barrier to prevent access to an elevator car. (See (1) Note, Lines With Other Classes, above).  |      |  |
| 190, | Trunks and Hand-Carried Luggage, subclass 56 (See (1) Note Lines With Other Classes, above. Also see the (2) Note).   |      |  |
| 194, | Check-Actuated Control Mechanisms, subclasses 51, 59, 65. (See (1) Note, Lines With Other Classes, above).  |      |  |
| 206, | Special Receptacle or Package, subclass 1.5. (See (1) Note Lines With Other Classes, above. Also see the (2) Note.)   |      |  |
| 211, | Supports: Racks, subclass 4, for racks with article-locking devices therein.  |      |  |
| 215, | Bottles and Jars, subclass 207. (See (1) Note, Lines With Other Classes, above)   |      |  |
| 217, | Wooden Receptacles, (See (2) Note of Lines With Other Classes, above).  |      |  |
| 220, | Receptacles, (See (2) Note of Lines With Other Classes, above).   |      |  |
| 232, | Deposit and Collection Receptacles, subclass 43.1 and subclass 44, for closure and chute subcombinations, for safes of the deposit and collection type.   |      |  |
| 244, | Aeronautics, subclass 121, for shields and other protective devices for aircraft.   |      |  |
| 248, | Supports, subclass 551, for bracket type devices combined with anti-theft means.  |      |  |
| 292, | Closure Fasteners, (See (1) Note, Lines With Other Classes, above).   |      |  |
| 293, | Vehicle Fenders, for vehicle fenders, and bumpers.  |      |  |
| 312, | Supports: Cabinet Structure, subclasses 107.5, 215, 216, 222, and 333. (See (1) Note, Lines With Other Classes, above. Also see the (2) note above.)  |      |  |
| 404, | Road Structure, Process, or Apparatus, subclass 25, for a pavement with a vault cover-closure. (See (1) Note, Lines With Other Classes, above).   |      |  |
| 428, | Stock Material or Miscellaneous Articles, appropriate subclasses, for a stock material product in the form of a single or plural layer web or sheet, and subclass 544 for stock materials, e.g., of indefinite length, which are all metal or have adjacent metal components. |      |  |

**5 With protected transaction partitions:**

This subclass is indented under subclass 3. Devices wherein the trap is combined with an otherwise protected transaction or display partition, the latter being defined in this class, subclass 10.

**6 Plural closures:**

This subclass is indented under subclass 3. Devices wherein a plurality of closures are operable to form the confining means.

**SEE OR SEARCH CLASS:**

49, Movable or Removable Closures, subclass 94 for interconnected closures on opposite or angularly related barriers.

**7 Interrelated fastening means:**

This subclass is indented under subclass 6. Devices wherein fastening means of the closures are interrelated.

**8 Rotary plural blade closure:**

This subclass is indented under subclass 6. Devices wherein at least one of the closures is of the rotary plural-blade door type.

**SEE OR SEARCH CLASS:**

49, Movable or Removable Closures, subclass 42 for revolving plural-blade type closures of the type provided for.

**9 Guard booths:**

This subclass is indented under subclass 2. Devices comprising booths and enclosures for the protection of armed guards and other personnel of the protected institution from which they may repel an attack and sometimes send an alarm. The enclosures may be built in, movable or portable.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

11, for transaction partitions which may be transformed into a guard booth.

**10 Safety transaction and display partitions and counters:**

This subclass is indented under subclass 2. Devices comprising a desk, counter or display surface, with or without a partition, combined with means for protection against attack. The

partition may have a wicket therein and may be transparent or foraminous.

**SEE OR SEARCH CLASS:**

160, Flexible or Portable Closure, Partition, or Panel, for devices (1) in which a flexible fabric or other flexible sheet material forms the panel portion, (2) formed of plural strips, slats or panels inter-connected for relative motion (excluding those connected only by a common operator or mounted only on a common support), (3) combinations of (1) and (2), and (4) combinations of (1) to (3), inclusive, with rigid closures. Such devices in the combination set forth in the definition of this subclass (10) including those having attack actuated operating means, are in this subclass.  
312, Supports: Cabinet Structure, appropriate subclasses, for cabinet structure, particularly subclass 114, for show-cases; 140.1, for counters; 194, for knee-hole desks.

**11 With movable protective shields:**

This subclass is indented under subclass 10. Devices wherein a movable protective shield is placed between an attacker and the desk, counter or display.

**12 Plural shields:**

This subclass is indented under subclass 11. Devices wherein a plurality of separate shields are moved to protecting position.

**13 For plural openings or partitions:**

This subclass is indented under subclass 12. Devices wherein there are a plurality of transaction openings or partitions to be protected.

**14 Roller type:**

This subclass is indented under subclass 11. Devices wherein a rolled shield is unrolled to protecting position.

**SEE OR SEARCH CLASS:**

160, Flexible or Portable Closure, Partition, or Panel, particularly subclass 238, for roller type devices.

- 15 Strip or slat type:**  
This subclass is indented under subclass 11. Devices wherein the shield is formed of a plurality of strips or slats.
- SEE OR SEARCH CLASS:  
160, Flexible or Portable Closure, Partition, or Panel, particularly subclass 130, for movably interconnected plural strip, slat or panel type devices.
- 16 Axially pivoted:**  
This subclass is indented under subclass 15. Devices wherein the strips or slats are each pivoted for rotation or oscillation about their longest axis to meet or overlap and form a single shield.
- 17 Sliding:**  
This subclass is indented under subclass 11. Devices wherein a substantially flat shield slides in its plane to protecting position.
- 18 Gravity shield:**  
This subclass is indented under subclass 17. Devices wherein the shield upon release falls by the action of gravity alone to protected position.
- 19 With deal trays:**  
This subclass is indented under subclass 10. Devices wherein means is provided for the transfer of articles in both directions through a partition without the presence of a straight unobstructed passage therethrough.
- SEE OR SEARCH CLASS:  
206, Special Receptacle or Package, subclass .8, for coin receptacles and packages, including mats and trays having features to facilitate picking up of coins lying thereon.  
232, Deposit and Collection Receptacles, subclass 64, for receptacles upon, or in, which coins are deposited and having one or more movable parts (as tiltable mounting of a tray type receptacle) which when moved will cause delivery of the coins, usually into the customer's hand.
- 20 With fluent material releasing, generating and/or distributing means:**  
This subclass is indented under subclass 10. Devices wherein the transaction and display partition or desk is combined with means for releasing, generating and/or distributing fluent materials, the latter means being defined in this class, subclass 29.
- SEE OR SEARCH CLASS:  
424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclass for a composition for disabling or repelling an animal including a human.
- 21 With alarm, signal or indicator:**  
This subclass is indented under subclass 10. Devices wherein the transaction and display partition or desk is combined with an alarm, signal or indicator.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
38, for alarms, signals and indicators combined with other structures within the class definition.
- SEE OR SEARCH CLASS:  
340, Communications: Electrical, subclass 541, for indicating systems automatically responsive to intrusion detection; subclasses 568.1+ for indicating systems automatically responsive to article placement or removal; and subclass 574 for electric automatic holdup responsive indicating systems.
- 21.5 Protected voice transmitting path:**  
This subclass is indented under subclass 10. Devices in which the partition has an indirect passage permitting passage of sound waves but preventing passage of solid objects (such as projectiles).
- SEE OR SEARCH CLASS:  
181, Acoustics, subclasses 18 through 22, for speaking tubes and subclasses 148 and 157, for diaphragms and mounting.

**22 CONVERTIBLE:**

This subclass is indented under the class definition. Devices which are convertible to other devices or uses.

**23 COMBINED:**

This subclass is indented under the class definition. Devices which are combined with miscellaneous additional structure.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

45, for devices under the main class definition combined with means for movably mounting or supporting them for some motion incident to their protective function.

50, for other supporting or mounting combinations.

**24 With jackets:**

This subclass is indented under subclass 23. Devices combined with a jacket or enclosure distinct from the wall structure of the device.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

58, for those devices where the jacket is part of the wall structure.

SEE OR SEARCH CLASS:

454, Ventilation, subclasses 185+, for jackets combined with means for circulating air for ventilating purposes around the exterior of the device.

**24.1** This subclass is indented under subclass 23. Device for receiving an article for safeguarding and against unauthorized retrieval, combined with means to mark the article so as to register its reception or to mark a receipt for the article to be served to the depositor.

- (1) Note. A depository which includes photographing means is so akin to the art of making a record of the article as to be excluded from the instant subclass (24.1) and found, rather, in Class 346, Recorders, subclass 22 or in another (optical art) locus related thereto, this being so even were a photocopy to be served as a receipt.

SEE OR SEARCH CLASS:

346, Recorders, subclass 22, for the subject matter of this instant subclass (24.1) and further including, (1) means making a record of the article, as by photographing it (e.g., on microfilm), or (2) a time recorder (clock) or means responsive thereto to effect the marking means operation.

**25 With marking devices:**

This subclass is indented under subclass 23. Devices combined with means for marking contained articles upon attack. The articles are usually money or negotiable paper and the marking is generally for the purpose of warning that it has been stolen. The marking may be done, for example, by stamping, punching, dyeing, or burning, and may be set off either automatically or manually upon attack.

- (1) Note. See the pertinent subclasses of Classes 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers; 83, Cutting; 102, Ammunition and Explosive Devices; and 118, Coating Apparatus.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

20, for bank protecting devices for releasing, generating and/or distributing fluent material upon attack for other purposes.

**26 With means to prevent successful use of explosives:**

This subclass is indented under subclass 23. Devices (other than mere closure sealing mechanisms) wherein means is provided to prevent a successful attack upon a safe by means of an explosive. The explosive is normally inserted between the closure and jamb, and the device may either impede the entry, convey the explosive away from the place inserted, or may absorb or release the explosive forces.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

75, for mere sealing mechanisms for this and other purposes.

- 79, for joints and connections peculiarly constructed to stand an explosion or to relieve the pressure of one.
- 27 Pressure relief mechanism:**  
This subclass is indented under subclass 26. Devices wherein means is provided for venting the excessive pressure resulting from an explosive attack.
- SEE OR SEARCH CLASS:  
137, Fluid Handling, subclass 455, particularly subclasses 467, 469, 506 to 510 and 511 for excess pressure relief valves of general application.
- 28 With drain or sump:**  
This subclass is indented under subclass 26. Devices wherein there is a drain and/or a sump to remove immediately any explosive from the place in which it is inserted.
- 29 With fluent material releasing, generating and/or distributing means:**  
This subclass is indented under subclass 23. Devices wherein means is provided for releasing, generating and/or distributing gas, smoke, vapors and/or liquids either manually, automatically upon attack, or automatically in case of fire. The fluent material is normally, but not necessarily, toxic, noncombustible, or incapacitating and may normally, but not necessarily, be used to repel attacks and/or put out, prevent, or impede the action of a fire. This subclass includes devices relating to jails, where the purposes of this subclass are also present.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
25, for means for marking articles upon attack, usually to warn that the articles have been stolen.  
36, for fluent material released or generated solely as an incident to the firing of an explosive device.
- SEE OR SEARCH CLASS:  
102, Ammunition and Explosives, subclass 367, for gas generating explosive devices.  
137, Fluid Handling, for fluid handling or distribution systems in general.  
169, Fire Extinguishers, appropriate subclasses, particularly 54 for manual or automatic extinguishers and 91 for apparatus causing gas flow.
- 239, Fluid Sprinkling, Spraying, and Diffusing, appropriate subclasses for the discharge or distributing structure, per se, which projects the fluid(s).
- 252, Compositions, subclasses 2+ for compositions specialized and designed for or peculiar to use in extinguishing fires or processes of making them, which may be foams, or foam producing compositions.
- 422, Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing, subclass 305 for fume generators.
- 424, Drug, Bio-Affecting and Body Treating Compositions, appropriate subclass for a composition for disabling or repelling an animal including a human.
- 454, Ventilation, particularly subclasses 237+ and 254+ for means for ventilating the devices.
- 516, Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes of Making, Stabilizing, Breaking, or Inhibiting, subclasses 10+ for continuous liquid phase with discontinuous gas or vapor phase colloid system (e.g., foam) or agents for such systems or making or stabilizing such systems or agents, when generically claimed or when there is no hierarchically superior provision in the USPC for the specifically claimed art.
- 30 With auxiliary lock:**  
This subclass is indented under subclass 29. Devices combined with means for imposing an additional impediment to the opening of a closure on the structure being attacked.
- 31 With alarm, signal or indicator:**  
This subclass is indented under subclass 29. Devices combined with an alarm, signal or indicator. This subclass includes devices relating to jails, where the purposes of this subclass are also present.
- SEE OR SEARCH CLASS:  
340, Communications: Electrical, subclass 500 for electrical automatic condition responsive indicating systems.

**32 With operator and/or controller:**

This subclass is indented under subclass 29. Devices wherein a mechanism is utilized to initiate, release and/or control the action of the device.

SEE OR SEARCH CLASS:

74, Machine Element or Mechanism, subclass 2, for initiators of the trip type which are of more general application.

**33 Fusible, combustible or thermal actuator:**

This subclass is indented under subclass 32. Devices wherein the mechanism is initiated or released by the action of heat. The device may be thermally responsive or may contain a fusible or combustible element.

(1) Note. Thermal responsive mechanisms may be found in many other places, including particularly: Class 137, Fluid Handling, subclasses 12.1, 59, 65, 72, 79, 389, 457, and 468: Class 49, Movable or Removable Closures, subclass 1, and Class 337, Electricity: Electrothermally or Thermally Actuated Switches, appropriate subclasses for thermostatically switches, per se, see Class 236, Automatic Temperature and Humidity Regulation, subclasses 91-104.

**34 Shock broken:**

This subclass is indented under subclass 29. Devices wherein the release or initiation is caused by the breakage of an element due to the shock of an attack.

**35 With electrical surface charging means:**

This subclass is indented under subclass 23. Devices wherein a surface or other exposed part of the device is electrically charged.

SEE OR SEARCH CLASS:

256, Fences, subclass 10, for analogous devices.

**36 With explosive devices:**

This subclass is indented under subclass 23. Devices wherein an explosive mechanism or element is combined with the device. The explosive mechanism is usually a piece of ord-

nance while the element is usually a cartridge or equivalent structure.

SEE OR SEARCH THIS CLASS, SUBCLASS:

29, for an explosive device which acts as a detonator to release, generate, or distribute a fluent material.

SEE OR SEARCH CLASS:

102, Ammunition and Explosives, for the mechanism of general application.

149, Explosive and Thermic Compositions or Charges.

**37 Wall contained detonator:**

This subclass is indented under subclass 36. Devices wherein the detonator is housed in the wall of the device.

**38 With alarm, signal or indicator:**

This subclass is indented under subclass 23. Devices combined with an alarm, signal, or indicator. This subclass includes devices relating to jails, where the purposes of this subclass are also present.

SEE OR SEARCH THIS CLASS, SUBCLASS:

31, for this structure combined with fluent releasing means.

SEE OR SEARCH CLASS:

40, Card, Picture, or Sign Exhibiting, appropriate subclasses for signs, per se.

116, Signals and Indicators, appropriate subclasses for indicators and signals, per se.

200, Electricity: Circuit Makers and Breakers, appropriate subclasses under subclass 61.62, and subclass 61.93 for wall or closure mounted circuit makers and breakers, including those in which the circuit is closed by attempted penetration.

340, Communications: Electrical, subclass 500 for electrical alarms automatically responsive to a condition. Note especially subclasses 541 and 574 for burglar alarms.

- 39 Movable receptacle initiated:**  
This subclass is indented under subclass 38. Devices wherein the movement of the receptacle as a unit initiates the operation.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
44, for handle initiated mechanisms.
- SEE OR SEARCH CLASS:  
340, Communications: Electrical, subclasses 568.1+ for electrical automatic article placement or removal responsive indicating systems.
- 40 Plural initiators:**  
This subclass is indented under subclass 38. Devices wherein a plurality of different types of initiators are found.
- SEE OR SEARCH CLASS:  
340, Communications: Electrical, subclass 521 for electrical automatic plural diverse condition responsible indicating systems.
- 41 Wall penetrating and closure movement initiators:**  
This subclass is indented under subclass 40. Devices in which the several initiators include wall penetrating and closure movement types, as defined respectively in subclasses 42 and 43.
- 42 Wall penetrating initiated:**  
This subclass is indented under subclass 38. Devices wherein the penetration of the wall by attack initiates the operation.
- (1) Note. The word "wall" is to be interpreted broadly to include a screen, a grille, or any other confining mechanism.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
31, for the puncture of a wall to release a fluent material under pressure, or to allow the influx of air to bring up the pressure to that of the atmosphere.  
38, for operation initiated by an attack upon the wall that does not penetrate the wall.
- SEE OR SEARCH CLASS:  
340, Communications: Electrical, subclass 544 for fluid flow operated alarms such as those in which the fluid is released when a hollow bar is sawed by a trespasser, and subclass 550 for electrically actuated alarms which are automatically responsive to the penetration of screens, walls, roofs, floors, etc.
- 43 Closure movement initiated:**  
This subclass is indented under subclass 38. Devices wherein the movement of a closure initiates the operation.
- SEE OR SEARCH CLASS:  
340, Communications: Electrical, subclasses 545.1+ for electrical automatic door or window movement responsive indicating systems.
- 44 Lock or handle initiated:**  
This subclass is indented under subclass 38. Devices wherein the movement of a closure fastening means or a handle initiates the operation.
- SEE OR SEARCH CLASS:  
340, Communications: Electrical, subclass 542 for electrical automatic lock condition responsive indicating systems.
- 45 INCIDENTALLY MOVABLE SAFE OR COMPARTMENT:**  
This subclass is indented under the class definition. Devices wherein the entire safe, or some compartment thereof, is movable as an incident to the protective function of the safe.
- 46 With dumping mechanism:**  
This subclass is indented under subclass 45. Devices wherein the movement is utilized to dump the contents of the safe or the compartment to a location which is less accessible to a person attacking the same. The movement may be for an emergency deposit of the valuables.
- 47 Receding movement:**  
This subclass is indented under subclass 45. Devices where the safe or compartment is bodily, rectilinearly movable to a location less



accessible to a person attacking the same, or further away from, or less accessible to, a fire. Includes safety deposit boxes in combination with their individual safes.

**SEE OR SEARCH CLASS:**

441, Buoy, Rafts, and Aquatic Devices, subclass 32 for devices of this type for use on shipboard which act as a buoy upon the sinking of a ship.

**48 Revolving for interior access:**

This subclass is indented under subclass 45. Devices wherein the safe or compartment is mounted for revolution upon an axis so that relative rotation of the safe or compartment to the remaining structure is necessary to get an entrance of the safe or compartment in line with an exterior closure.

**49 Complementary sections:**

This subclass is indented under subclass 45. Devices wherein a pair of independent safe sections, each of which is a compartment, serves as a closure for the other when locked.

**49.5 SHIELDS AND PROTECTORS:**

This subclass is indented under the class definition. Devices, and in a form which is more than a wall, panel or closure but is not a complete enclosure, for shielding or protecting from projectiles, swords, knives or other mode of attack.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

58, for mere wall, panel and closure structures.

**SEE OR SEARCH CLASS:**

2, Apparel, subclass 455, but particularly subclass 2.5, for protective devices worn on or attached to the body.  
89, Ordnance, subclasses 36.01+, and see the notes thereto for shields in combination with guns.  
135, Tent, Canopy, Umbrella, or Cane, subclass 115, for covers for portable shelters.

141, Fluent Material Handling, With Receiver or Receiver Coacting Means, subclass 97 for protective guards or screens to shield the operator of a receptacle filling machine.

160, Flexible or Portable Closure, Partition, or Panel, subclass 351, for portable panels of more general application.

273, Amusement Devices: Games, subclasses 404 and 410 for projectile stops for targets.

**50 SUPPORTS AND MOUNTINGS:**

This subclass is indented under the class definition. Devices combined with means to support or mount the device including partial or complete burial of the device and/or its support.

(1) Note. Supports of general application are found in the appropriate subclasses in classes 211, Supports: Racks, and 248, Supports.

**SEE OR SEARCH CLASS:**

108, Horizontally Supported Planar Surfaces, appropriate subclasses for a horizontally supported planar surface.  
211, Supports: Racks, (see Note 1).  
232, Deposit and Collection Receptacles, subclass 39 for letter boxes combined with supports.  
248, Supports, (see Note 1).  
312, Supports: Cabinet Structure, appropriate subclasses, where the support is a cabinet.

**51 Detachable from interior only:**

This subclass is indented under subclass 50. Devices wherein the means fastening the device to its support or mounting is accessible only from the interior of the device.

**52 Lock to support:**

This subclass is indented under subclass 50. Devices wherein the means for fastening the device to its support or mounting is controlled by a lock. The fastening means may be controlled by the same lock which controls the closure of the device.

**53 PLURAL COMPARTMENT:**

This subclass is indented under the class definition. Devices wherein a plurality of separate storage compartments or receptacles are combined in a single structure.

**SEE OR SEARCH CLASS:**

- 221, Article Dispensing, subclass 69 for similar storage compartments combined with means to remove articles from such compartments.
- 312, Supports: Cabinet Structure, appropriate subclasses, for similar cabinet structure.

**54 With secret compartment:**

This subclass is indented under subclass 53. Devices wherein at least one of the compartments is so hidden that an unauthorized person would not become aware of its existence, even when the device is not protected.

**55 With deposit means between compartments:**

This subclass is indented under subclass 53. Devices wherein there is a depositing means between two of the compartments. Access to the receiving compartment may be through the depositing compartment, or there may be a separate entrance.

**56 Plural safes:**

This subclass is indented under subclass 53. Devices where two or more compartments constitute separate safes as defined in the class definition. Includes safety deposit safe structures, per se.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 47, for safety deposit boxes in combination with their individual safes.

**57 Enclosed:**

This subclass is indented under subclass 56. Devices wherein one safe is inside another safe.

**SEE OR SEARCH THIS CLASS, SUBCLASS:**

- 68, for safes with inner and outer doors between which there is no substantial storage space.

**58 WALL AND PANEL STRUCTURES, CLOSURES AND CLOSURE ADJUNCTS:**

This subclass is indented under the class definition. Subject matter relating to wall panel and closure structure and arrangements of and adjuncts for said structure.

**SEE OR SEARCH CLASS:**

- 428, Stock Material or Miscellaneous Articles, subclass 98 for a structurally defined web or sheet which is nonmetallic, subclass 594 for a plural-layer metallic stock which is discontinuously bonded, and subclass 911 (Art Collection) for a penetration-resistant layer.

**58.5 Port type:**

This subclass is indented under subclass 58. Devices in the form of ports, with or without closure means, specially designed to protect a person from projectiles or other type of attack. Includes gun ports, per se.

**SEE OR SEARCH CLASS:**

- 49, Movable or Removable Closures, subclass 171 for a viewing, ventilating or packet passage mounted on a closure and see the search notes in section IV of Class 49 for the loci of closures in other classes.
- 89, Ordnance, particularly subclasses 36.01+ and subclasses 37.01+, for such structures combined with a gun or a gun mount.
- 114, Ships, subclass 5, for warship gun turrets and subclass 175 for ships' gun ports.
- 220, Receptacles, subclasses 662+ and the notes thereto for structures wherein a transparent panel is mounted in a wall.

**59 With closure fastening means:**

This subclass is indented under subclass 58. Devices involving the fastening means for the closures.

- (1) Note. The mere recitation of a safe, a jamb, or a closure, or the recitation of such details of these parts as are necessary to the location or operation of the

fastening means, will not of itself be sufficient to classify a patent in this class.

SEE OR SEARCH CLASS:

- 70, Locks, appropriate subclasses, for locks of general application.
- 292, Closure Fasteners, appropriate subclasses, for other closure fastening means.
- 428, Stock Material or Miscellaneous Articles, subclass 99 for a nonmetallic web or sheet, including a fastener, and subclass 594 for metallic sheet discontinuously bonded, e.g., by mechanical fastening means.

**60 Door ajar fasteners:**

This subclass is indented under subclass 59. Devices wherein the closure is held ajar against unauthorized movement. The devices are normally releasable from the interior and may be set so that the device goes into operation upon attempted closing.

**61 Combined boltwork and pressure mechanism:**

This subclass is indented under subclass 59. Devices wherein a cooperative relation exists between the closure boltwork and the pressure mechanism, the latter means being defined in this class, subclass 62.

**62 Pressure mechanism:**

This subclass is indented under subclass 59. Devices wherein camming means cooperates with complementary means to force and hold the closure tight in its jamb. The device usually aids in cracking the closure from its jamb. These devices are invariably in addition to the regular boltwork of the safe.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 61, for combined boltwork and pressure mechanism.

SEE OR SEARCH CLASS:

- 292, Closure Fasteners, appropriate subclasses, for boltwork mechanism which itself does the camming.

**63 With entrapping prevention means:**

This subclass is indented under subclass 62. Devices combined with means to prevent the entrapping of a person within the safe or vault by an unauthorized person.

**63.5 With means to render the closure fastening means ineffective:**

This subclass is indented under subclass 59. Devices including means to render the closure fastening means ineffective when the receptacle is being occupied by a person or when it is in a condition of abnormal use or of nonuse.

- (1) Note. Included here are devices wherein the means for rendering the closure fastening means ineffective consists of apparatus which prevents closing of the closure.

SEE OR SEARCH CLASS:

- 16, Miscellaneous Hardware, subclass 82 for devices, per se, which prevent closing of a closure.
- 292, Closure Fasteners, subclasses 14, 70 and 251.5 for closure fasteners which are ineffective to hold a closure in closed position against a relatively slight amount of force, and subclasses 144, 201 and 251.5 for closure fasteners which are rendered ineffective to hold a closure in closed position upon disconnection of the means (e.g., pressure or electrical supply) which is normally employed for control of the fastener.

**64 Closures:**

This subclass is indented under subclass 58. Devices wherein the closure, per se, and so much of the jamb structure as is necessary to support or cooperate with the closure are recited. A closure operator may be included in combination.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 53, for arrangements of two or more closures to create a plurality of separate compartments.
- 78, for closure structure which is no more than that of an ordinary wall structure.

- SEE OR SEARCH CLASS:  
49, Movable or Removable Closures, appropriate subclasses, for closures of the type provided for and see the search notes in section IV of Class 49 for the loci of closures in other classes.
- 65 With discontinuous heat path:**  
This subclass is indented under subclass 64. Devices wherein means is provided to prevent the conduction of heat between the exterior and interior of the device by the material of the closure and its adjacent jamb.
- 66 Deposit type:**  
This subclass is indented under subclass 64. Devices wherein the closure constitutes a part of a depositing mechanism for a deposit and collection type of safe.
- SEE OR SEARCH CLASS:  
232, Deposit and Collection Receptacles, subclass 44, for closures and chutes, per se, of this type.
- 67 Plural:**  
This subclass is indented under subclass 64. Devices wherein a plurality of closures are claimed.
- 68 Inner and outer:**  
This subclass is indented under subclass 67. Devices wherein the closures are arranged in tandem making an outer and at least one inner closure. Such closures may be arranged for either simultaneous or sequential opening and closing.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
57, for sufficient space between the inner and outer closures to constitute a substantial storage compartment.
- 69 Plural motions:**  
This subclass is indented under subclass 64. Devices wherein the closure has a plurality of distinct movements in opening and closing. Includes closures having more than two movements, cross-referencing being made into the subclasses indented hereunder.
- SEE OR SEARCH CLASS:  
49, Movable or Removable Closures, subclass 208 for closures of the type provided with means mounted for multidirectional movement.
- 70 Sliding and swinging:**  
This subclass is indented under subclass 69. Devices wherein the closure has both a sliding and a swinging movement.
- 71 Rotary and axial movement:**  
This subclass is indented under subclass 69. Devices wherein the closure moves through a combined rotary and translating movement around a common axis. The movements need not be simultaneous. Includes closures of the screw type and bayonet slot type.
- 72 Lug or interrupted thread type:**  
This subclass is indented under subclass 71. Devices wherein, by the use of lugs or interrupted threads, the rotary movement necessary to release the closure takes place for a fraction of a revolution.
- SEE OR SEARCH CLASS:  
89, Ordnance, subclasses 20.2+ for similar closures for breeches in ordnance.  
285, Pipe Joints or Couplings, subclass 391 for a screw coupling comprising interrupted threads, and subclass 401 for a socket joint of the lugged pipe, rotary engagement type. See the Search Notes thereunder.  
411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclass 417 for externally threaded fasteners having circumferentially interrupted threads.
- 73 Sliding, rotary or oscillating movement:**  
This subclass is indented under subclass 64. Devices wherein only a single sliding, rotary, or oscillating movement is necessary to open the closure.
- 74 With interfitting swinging closure and jamb parts:**  
This subclass is indented under subclass 64. Devices wherein the closure has a swinging movement and wherein the closure and adjacent jamb and closure have projections and

recesses (usually, but not necessarily, complementary) which serve to prevent the inserting of tools or liquids, or the transmission of heat in the space between the door and jamb.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

65, for devices provided with means to cut down the conduction of heat by the material of the closure at its edge to the interior of the safe.

#### 75 **With seals:**

This subclass is indented under subclass 64. Devices wherein some positive sealing means is used between the door and the jamb.

SEE OR SEARCH CLASS:

49, Movable or Removable Closures, subclass 475.1 for closure seals of the type provided for.

#### 76 **Composite:**

This subclass is indented under subclass 64. Devices wherein the closure is made up of a plurality of parts which after assembly act as a unit.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

67, for devices, the several parts of which may be separately used.

#### 77 **Jamb:**

This subclass is indented under subclass 64. Devices relating to jamb structure, per se.

SEE OR SEARCH CLASS:

52, Static Structures (e.g., Buildings), subclass 204.1 for a building with a feature for forming a door or window opening.

#### 78 **Walls and panels:**

This subclass is indented under subclass 58. Devices relating to the structure of one or a plurality of walls or panels.

SEE OR SEARCH THIS CLASS, SUB-CLASS:

85, for devices having a plurality of distinct metal parts.

- (1) Note. Safe, safe walls or safe plates made of a single metal or alloy are classified in Class 420, Alloys or Metallic Compositions. Class 148, Metal Treatment, subclasses 400+ provides for safes, safe walls or safe plates made of a metal or alloy which has been treated by a Class 148 process, e.g., heat treated, ect., or recited as having properties which are the result of such a treatment. For the line between metallic articles classified in Classes 148 and 420, see the definition of subclass 400 in Class 148.

SEE OR SEARCH CLASS:

- 52, Static Structures (e.g., Buildings), appropriate subclasses for a construction of a building, wall, floor or roof of more general application.
- 217, Wooden Receptacles, subclass 17 for wall structure of such receptacles.
- 220, Receptacles, particularly subclasses 62.11+ and 660+ for residual receptacle wall structure.
- 428, Stock Material or Miscellaneous Articles, appropriate subclasses and its main Class Definition, section C, 3, d, for related materials, especially subclass 544 for stock materials, e.g., of indefinite length, which are all metal or have adjacent metal components.

#### 79 **With joints and connections:**

This subclass is indented under subclass 78. Devices comprising joints or connection between a plurality of walls or a plurality of parts of a wall.

SEE OR SEARCH CLASS:

- 52, Static Structures (e.g., Buildings), appropriate subclasses for wall and panel joints in general.
- 160, Flexible or Portable Closure, Partition, or Panel, appropriate subclasses, for panel structures composed of a

- plurality of movably interconnected strips, slats or panels and for the joint subcombinations of such structures.
- 428, Stock Material or Miscellaneous Articles, subclass 594 for plural metallic layers discontinuously bonded, e.g., by mechanical fastening means or spot welds.
- 80 Composite:**  
This subclass is indented under subclass 78. Devices wherein a plurality of different elements compose a single wall.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
78, for safes, safe walls, or safe plates made of a single alloy.
- SEE OR SEARCH CLASS:  
428, Stock Material or Miscellaneous Articles, subclass 547 for particulate metal-containing stock having a composition or density gradient, and subclass 614 for metallic stock having embedded components.
- 81 With movable parts:**  
This subclass is indented under subclass 80. Devices wherein one or more of the parts are movable with respect to the outer walls.
- 82 Metallic and nonmetallic:**  
This subclass is indented under subclass 80. Devices comprising metallic and nonmetallic parts.
- SEE OR SEARCH CLASS:  
428, Stock Material or Miscellaneous Articles, subclass 621 for metallic composite stock comprising two or more adjacent metal layers and having an additional nonmetal layer.
- 83 With metallic reinforcement in nonmetallic binder:**  
This subclass is indented under subclass 82. Devices wherein a metallic part or parts form a reinforcement for the nonmetallic part by being embedded therein.
- SEE OR SEARCH CLASS:  
52, Static Structures (e.g., Buildings), appropriate subclasses, particularly subclasses 251, 319, 378, 380, and 414 for cast-in-situ barriers with embedded reinforcement.
- 84 With nonmetallic filler:**  
This subclass is indented under subclass 82. Devices wherein is a metallic shell completely enclosing a nonmetallic filler.
- SEE OR SEARCH CLASS:  
106, Compositions: Coating or Plastic, for filling compositions that are plastic, setted or settable.  
252, Compositions, subclass 62, for heat insulating fillings.
- 85 Metallic:**  
This subclass is indented under subclass 80. Devices wherein all parts are metallic.
- SEE OR SEARCH THIS CLASS, SUBCLASS:  
78, for safes, safe walls and safe plates made of a single alloy.
- SEE OR SEARCH CLASS:  
428, Stock Material or Miscellaneous Articles, subclass 609 for metallic stock comprising plural layers having an irregular interface, and subclasses 615+ for other composite metallic stock defined in terms of the composition of its component.
- 87 Floor bridges:**  
This subclass is indented under subclass 58. Devices comprising movable or removable floor sections for bridging recesses in floors necessitated to accommodate the opening of a vault door. These recesses are usually necessary when the level of the vault floor and building floor are desired on the same level.
- END